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भारत का राजपत्र

The Gazette of India

प्रापिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० २५] नई दिल्ली, शनिवार, जून १८, १९८३ (ज्येष्ठ २८, १९०५)

No. 25] NEW DELHI, SATURDAY, JUNE 18, 1983 (JYAIESTHA 28, 1905)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 18th June, 1983

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the claimed under Section 135, of the Act.

12th May, 1983

597/Cal/83. Rotork Controls Limited. Valve actuators. (12th May, 1982).

598/Cal/83. De Blauwe Lier B. V. Method for washing of textiles in hard water and phosphate-free detergent composition for use therein.

599/Cal/83. Janssen Pharmaceutica N. V. Novel N-(Bicyclic heterocycl)-4-piperidinamines.

600/Cal/83. Satchithanandan Supremaniam and Florence Shirley Jan Suprmaniam. Shipping package alternative packing method for bulk tea. (15th July, 1982).

601/Cal/83. Westinghouse Electric Corporation. Core spring support system for a dynamoelectric machine.

13th May, 1983

602/Cal/83. Samarendra Kumar Sencupta. Improvements in or relating to reflecting road beacons.

603/Cal/83. Samarendra Kumar Sencupta. A reflecting road stud for a reflecting road beacon.

604/Cal/83. Ukrainsky Institut Inzhenerov Vodnoho Khzyaistva Separator for separating fluid media from minute particles of impurities.

605/Cal/83. Amsted Industries Incorporated. Snubbed railway car truck.

606/Cal/83 Stauffer Chemical Company. Process for treating liquid chlorinated hydrocarbon wastes containing iron.

607/Cal/83 Antler Limited. Method of forming members from thermoplastic material.

608/Cal/83 Ken Hayashihara and Shin Ashida. Process for producing human specific type II interferon. [Divisional date 17th January, 1980].

16th May, 1983

609/Cal/83 (1) Vsesoizny Gosudarstvenny Proektno-Konstruktorsky Institut Po Mashinam Dlya Promyshlennosti Stroitelnykh Materialov and (2) Gosudarstvenny Vsesoizny Nauchno-Issledovatel'sky Institut Stroitelnykh Materialov I Konstruktov Conveyer line for fabricating masonry units by autoclave hardening.

610/Cal/83 Sunnen Products Company. Improved honing head construction.

17th May, 1983

611/Cal/83. Krone GmbH. Voltage discharge.

612/Cal/83 Hein, Lehmann AG. Screening machine.

613/Cal/83. Garrett Michael Sainbury. Solar collector.

614/Cal/83 Mitsui Toatsu Chemicals Inc. Novel aromatic alkene derivatives and processes for preparation thereof and insecticidal and acaricidal agents containing said derivative as an active ingredient.

18th May, 1983

615/Cal/83 Metallgesellschaft Aktiengesellschaft. Process of regenerating absorbent solutions for sulfur-containing gases.

616/Cal/83 Georg Fischer Aktiengesellschaft. Foundry device in particular converter for pouring and/or treating of molten metal.

617/Cal/83. Mobil Oil Corporation. Isomerization process.

618/Cal/83. Mobil Oil Corporation. Catalytic dewaxing process.

619/Cal/83. Mobil Oil Corporation. Simultaneous catalytic hydrocracking and hydrodewaxing of hydrocarbon oils with zeolite beta.

620/Cal/83. Mobil Oil Corporation. Hydrocracking-catalyst and hydrocracking process with improved distillate selectivity.

621/Cal/83. Mobil Oil Corporation. High silica zeolite beta and method for making it.

622/Cal/83. Mobil Oil Corporation. Method for preparing acid stable zeolites and high silica zeolites prepared by it.

623/Cal/83. Hitchiner Manufacturing Co. Inc. A rigid salt supporting and permeable low temperature bonded sand particle mold.

[Divisional date 27th September, 1979].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH,

MUNICIPAL MARKET BUILDING, III FLOOR,
KAROL BAGH, NEW DELHI-5.

6th April, 1983

220/Del/83. Chief Controller Research & Development, Ministry of Defence, "A process for dehydration of isopropyl nitrate using molecular sieves".

221/Del/83. Oil and Natural Gas Commission, "A process for the preparation of feriochrome lignosulphonate".

222/Del/83. I. Upadhyaya, "A ventriculo atrial reservoir".

223/Del/83. Satwant Singh Sidhu, "A washing machine".

224/Del/83. Eseen Engineering Company Private Limited, "An improved low pressure regulator for use with liquified Petroleum gas mixtures".

225/Del/83. Imperial Chemical Industries PLC., "Containers with automatic closures" (September 26, 1978)

[Divisional date September 10, 1979].

226/Del/83. Imperial Chemical Industries PLC., "Holders for spray containers" (September 26, 1978)

[Divisional date September 10, 1979].

227/Del/83. UOP INC., "Recovery of aromatic hydrocarbons and a non-aromatic raffinate stream from a hydrocarbon charge stock".

228/Del/83. Velsicol Chemical Corporation, "Furfuryl amides of phenoxyphenoxy-alkanoic acids".

229/Del/83. Krupp-Koppers GMBH, "Process for the operation of a gypsum-sulfuric acid plant".

7th April, 1983

230/Del/83. Dalip Singh and Gurdip Singh, "An electric lamp provided with fluorescent tube".

231/Del/83. Gerald Anthony John Francis McKEOWN, C/o. ATL Limited "Data handling assembly".

232/Del/83. The British Petroleum Company P.L.C., "Aromatics production" (April 29, 1982).

233/Del/83. Vereinigte Edelstahlwerke Aktiengesellschaft (VEW), "Work-hardenable austenitic manganese steel and method for the production thereof".

234/Del/83. Ruhrkohle AG, "Method for preparing a charge stock for refining from a crude light coal oil".

235/Del/83. Clemens Kalverkamp, "Method and apparatus for the harvesting of corn or other granular fruits".

8th April, 1983

236/Del/83. Telefonaktiebolaget L M Ericsson, "Synchronisation apparatus in transmitting information on a simplex bus".

237/Del/83. Societe De Conseils De Recherches Et D'Applications Scientifiques, "New modified clays' preparation thereof and therapeutical compositions containing the same" (April 29, 1982).

238/Del/83. Klockner-Humboldt-Deutz Aktiengesellschaft, "Method and apparatus for generating synthesis gas".

11th April, 1983

239/Del/83. Exxon Research and Engineering Company, "Process for the manufacture of halogenated polymers".

240/Del/83. Children's Hospital Medical Centre, "Artificial-vitreous compositions and method of preparing the same".

12th April, 1983

241/Del/83. The Bendix Corporation, "A sintered iron base friction material".

242/Del/83. Parsons Controls Limited, "Improvements relating to chain components" (April 15, 1982).

13th April, 1983

243/Del/83. BICC Public Limited Company, "An improved flexible elongate body" (April 22, 1982).

244/Del/83. Tioxide Group PLC, "Textile materials and their use in containers" (July 1, 1982).

245/Del/83. Bayer Aktiengesellschaft, "A vehicle tyre for low speeds".

246/Del/83. Ramtech, Ltd., "Machine for making building blocks".

14th April, 1983

247/Del/83. Breton S.p.a., "A blade-carrying frame for machines for cutting marble, granite and hard stone".

248/Del/83. Lodge-Cottrell Limited, "Improvements in and relating to electrostatic precipitators" (April 22, 1982).

15th April, 1983

249/Del/83. Velsicol Chemical Corporation, "New urea compositions of matter".

250/Del/83. Cscpel Muvek Tervczo Es Kutato Intezete, "Steel pipes with improved properties, applicable both for constructive and mining purposes, and a process for preparing same from combined microalloyed steels".

16th April, 1983

251/Del/83. Rameshwar Dayal, "Improved knowldown type cover for sewing machines".

252/Del/83. Chief Controller Research & Development, Ministry of Defence, "Producing a gas generating composition".

253/Del/83. Chief Controller, Research & Development, Ministry of Defence, "A process for the preparation of boron carbide".

18th April, 1983

254/Del/83. Bonas Machine Company Limited, "Replaceable weaving heads". (April 23, 1982).

255/Del/83. Exxon Production Research Company, "Acoustic quadrupole shear wave logging device".

19th April, 1983

256/Del/83. Roecar Holdings (Netherlands Antilles) NV., "Extract of plants of the family of hypoxidaceae for treatment of cancer". (April 19, 1982).

257/Del/83. Imperial Chemical Industries PLC, "Quinoline derivatives". (May 4, 1982 & January 27, 1983).

258/Del/83. Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frottement, "A process for improving the corrosion resistance of ferrous metal parts".

259/Del/83. Werkzeugmaschinenfabrik Oerlikon-Bührle AG, "Apparatus for automatically displacing the radial position of a cross feed slide in a cross-feed-head of a cutting machine".

260/Del/83. Werkzeugmaschinenfabrik Oerlikon-Bührle AG, "Cross-feed-head of a cutting machine".

20th April, 1983

261/Del/83. The Babcock & Wilcox Company, "Single drum all-welded boiler".

262/Del/83. G. S. Garewal, Miss Barinder Kaur Riar & Kamaljit Dhilliwal, "Chemicals useful as insecticides as well as fungicides".

21st April, 1983

263/Del/83. Velsicol Chemical Corporation, "New Herbicidal Compounds".

264/Del/83. Cscpel Muvek Fcmmuve, "Process and equipment for the production of alloyed copper wire by continuous casting".

22nd April, 1983

265/Del/83. I. Baldeo Prasad Pandey, "An improved device to transplant paddy plant".

266/Del/83. Lalit Kumar Das, "A sliding bolt".

267/Del/83. Shri Ram Institute for Industrial Research, "A process for the preparation of cation exchange membranes".

268/Del/83. Lalit Kumar Das, "Tower Bolts".

269/Del/83. Bharat-Heavy Electricals Limited, "Modified brake block shoe for Tata diesel loco shunter".

26th April, 1983

270/Del/83. G. D. Societa Per Azioni, "A method and apparatus for forming perforations in bar-shape articles".

27th April, 1983

271/Del/83. Telefonaktiebolaget LM Ericsson, "Method and apparatus for through-connection testing in a digital telecommunication network".

28th April, 1983

273/Del/83. Rajendra Kumar Bhargava, "An air release device".

29th April, 1983

273/Del/83. Hans Ditlev Poulsen, "A method of manufacturing briquettes of straw or similar material".

274/Del/83. Boliden Aktiebolag, "The use of trivalent metal salts as soil conditioner".

30th April, 1983

275/Del/83. Council of Scientific & Industrial Research, "Process for the preparation of crystalline catalyst composite materials designated as encilite".

2nd May, 1983

276/Del/83. Yamabishi Electric Co., Ltd., "Circuit for preventing two or more AC switches from conducting simultaneously".

277/Del/83. Exxon Research and Engineering Co., "Integrated cyclic scrubbing and condensate stripping process for the removal of gaseous impurities from gaseous materials".

3rd May, 1983

278/Del/83. Duridop Limited, "Encapsulation & encapsulated products".

279/Del/83. Telefonaktiebolaget L M Ericsson, "Digital Concentrator".

4th May, 1983

280/Del/83. A. K. Dutt, "Thermoelectric chiller and food preserver".

281/Del/83. ICI Americas Inc., "Pyrazolopyridine compounds".
(May 12, 1982 — January 21, 1983).

282/Del/83. Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva, "Separator for magnetical removal of solid particles from fluid media".

5th May, 1983

283/Del/83. Council of Scientific & Industrial Research, "A process for the preparation of estradiol glucose phosphate dehydrogenase enzyme conjugate".

284/Del/83. USS Engineers and Consultants, Inc., "Refractory plate for use in a valve for controlling the flow of liquid metal from a teeming vessel".

285/Del/83. USS Engineers and Consultants, Inc., "Valve for controlling the flow of liquid metal from the pour opening of a teeming vessel".

5th May, 1983

286/Del/83. Council of Scientific & Industrial Research, "Direct on line single phase induction motor starter".

7th May, 1983

287/Del/83. Boliden Aktiebolag, "A fibre product-manufacture".

288/Del/83. Imperial Chemical Industries PLC, "Electrolytic cell and gasket for electrolytic cell". (May 19, 1982).

289/Del/83. Klockner-Humboldt-Deutz Aktiengesellschaft, "Flap valve for a wet jiggling machine for processing coal of other minerals".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES 3RD FLOOR LOWER PAREL SUNIL COMPOUND BOMBAY-13

26th April, 1983

140/Bom/83. Ramdayal Shital Prasad, Vishwakarma, Improved bonds for scientific toys.

141/Bom/83. Ramdayal Shital Prasad Vishwakarma, Improved seat for sphetes used in scientific toys.

142/Bom/83. Vasant Sheshgiri Kalbag & Others, Method and apparatus for cracking and/or loosening of epicarp (outer skin) of Areca nut.

143/Bom/83. Mohan Laxman Tamhankar, Water filter candle.

27th April, 1983

144/Bom/83. Dr. Shantilal Keshvalal Sanghani, A device for an auxiliary driver for the conventional cycle.

145/Bom/83. Dr. P. D. Sunavala & another, A process and design of combustion of high Ash non caking fine and slack coal by the spouted bed technique.

146/Bom/83. Dr. P. D. Sunavala & another, Process and design for the galification of high ash non caking solid fuels using air, air steam or oxygen steam blast by the downjet technique.

28th April, 1983

147/Bom/83. Madhusudan Hiralal Desai, A method and apparatus for converting pyrophoric iron powder into non pyrophoric iron powder.

148/Bom/83. Sham Murti Mehta, An improved wind mill.

149/Bom/83. Navyug Industrials, Improved method and apparatus for dyeing textile fabrics.

29th April, 1983

150/Bom/83. SLM Maneklal Industries Ltd., Improvements in or relating to squeegee for rotary screen printing machines.

151/Bom/83. Kirloskar Oil Engines Ltd., Improvements in or relating to pistons for use in compression ignition internal combustion engines.

152/Bom/83. The Raja Bahadur Motilal Poon Mills Ltd., A foot pedal operated folding stand for use in a drafting machine and a drafting machine having the same.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH,
61, WALLAJAH ROAD, MADRAS-600 002.

2nd May, 1983

96/Mas/83. Carborundum Universal Ltd., A process for the manufacture of an improved grinding wheel and a grinding wheel prepared thereby.

4th May, 1983

97/Mas/83. The Western India Plywoods Ltd., A process for manufacturing a novel thermosetting plastic.

98/Mas/83. The Western India Plywoods Ltd., A process for manufacturing a wood polymer composite.

99/Mas/83. The Western India Plywoods Ltd., A process for manufacturing a novel thermosetting plastic.

5th May, 1983

100/Mas/83. The South Indian Textile Research Association, A device for measuring stiffness or thickness of flat specimens.

101/Mas/83. M/s. Silcarb Heating Elements Private Limited, Silicon Carbide Heating Elements.

9th May, 1983

102/Mas/83. D. R. Devasenadhipathy, D. R. Visweswaran, D. R. Karthikeyan & D. R. Skandaprabhu, An improved hub assembly.

12th May, 1983

103/Mas/83. C. G. G. Panicker, A puzzle kit.

13th May, 1983

104/Mas/83. D. M. Rao, Honey comb cellular roofing with conoid hollow tiles (Guna Tiles) or with cement conoid pipes.

ALTERATION OF DATE

151650

453/Cal/82

Anti-dated to 17th January, 1979.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 116G+160A 151635
Int. Cl. B65d 81/00.

A DEVICE FOR OPERATING THE JACKS AND LOCKS OF A CONTAINER CARRYING TRUCK.

Applicant : SOUTHERN ROADWAYS LIMITED, LAKSHMI BUILDINGS, USILAMPATTI ROAD, KOCHADAI, MADURAI, TAMIL NADU.

Inventor : NARASIMHA IYENGAR KRISHNAN.

Application No. 186/Mas/79 filed October 12, 1979.

zComplete specification left : January 12, 1981.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims.

A device for operating the jacks and locks of a container carrying truck comprising air operated container locks receiving air pressure from an air inversion valve, connected to the parking brake valve and spring brake valve of the truck, the locks being released only under air-pressure whenever the spring brakes for parking are applied; an air motor-cum-hydraulic pump for operating the jacks, said pump being connected to the air pressure line of the locks whereby the said pump is operable whenever the locks are released and the air pressure line thus receives air.

(Prov.—10 pages; Com.—11 pages; Drwg.—1 sheet)

CLASS : 156 (D+E) 151636
Int. Cl. : F 04d 19/00

A PUMP.

Applicant & Inventor : MRS. PRABHA SRIDHAR, NO. 3, PINJALA SUBRAMANIA IYER STREET, T. NAGAR, MADRAS-600 017, TAMIL NADU.

Application No. 158/Mas/80 filed August 21, 1980.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims.

A pump comprising a casing accommodating a freely slidable piston characterised by two flexible sheaths attached to the upper and lower faces of the piston and to the corresponding inner walls of the casing respectively, the said sheaths being open at the ends with the space between the sheaths and the walls evacuated of air; and a set of one way inlet and outlet valves provided on one of the sides of the piston for drawing in and pumping out fluid during reciprocation of the said piston.

(Com.—6 pages; Drawg.—1 sheet).

CLASS : 10B, D & E. 151637
Int. Cl. : F42c 15/24.

SAFETY DEVICE FOR PROJECTILE FUSES.

Applicants : "s.a. PRB" SOCIETE ANONYME, OF AVENUE DE BROQUEVILLE 12, 1150 BRUXELLES, BELGIUM.

Inventor : JEAN ALFRED LEON PELOUSSE.

Application No. 968/Cal/78 filed September 2, 1978.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims.

Safety device for a projectile fuse of the type including a mobile element (17) controlling a pyrotechnical chain and able to be moved from a safety position into an active position, said device including :

- a bolt (1) for locking and unlocking said mobile element (17), said bolt (1) having a first (7) and a second (6) peripheral protrusion and being displaceable from a safety position wherein it locks said mobile element (17) into an active position wherein it unlocks said mobile element (17);
- a plurality of locking balls (4);
- a sheath (2) having radial passages (5) for said balls (4), said bolt (1) being displaceable in said tubular sheath (2);
- a spring (10);
- an axially movable collar (9) surrounded by said spring (10) and mounted around said tubular sheath (2), said sheath (2) being displaceable against the action of said spring (10) between a safety position wherein said bolt (1) is held in its said safety position due to said balls (4) being engaged by said first peripheral protrusion (7) and pressed through said passages (5) against said bolt by said collar (9), and an active position wherein said bolt (1) is held in its said active position due to said balls (4) being engaged by said second peripheral protrusion (6) and pressed through said passages against said bolt by said collar (9), all in such a manner that when said projectile is fired, said collar (9) is displaced against the action of said spring (10), thus provoking the release of said balls (4) and the unlocking of said bolt (1) which is then displaced into its said active position.

Comp. Specn. 8 pages. Drgs. 6 sheets.

CLASS : 172C. 151638
Int. Cl. : D01g 15/00.

A CLEANING BLADE FOR ROTATABLE, SMOOTH ROLLERS ON SPINNING MACHINES, PARTICULARLY ON CARDING ENGINES.

Applicants : MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Inventor : PAUL WELTI.

Application No. 451/Cal/79 filed May 3, 1979.

Convention date May 4, 1978/(17715/78) U.K.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims.

A cleaning blade for rotatable, smooth rollers on spinning machines, in particular for the squeeze or crush rolls on a card, the blade having a sharp, hard edge scraping or grazing the roller surface linearly along a generating line of the roller, wherein the blade is a flexible strip which is extended between a first roller and a second roller, which contacts the roller surface under elastic deformation of the strip cross-sectional shape, and which is driven for movement along the roller surface.

Comp. Specn. 20 pages. Drgs. 3 sheets.

CLASS : 195C. 151639
Int. Cl. : F16k 5/06.

"VALVE".

Applicants : NUOVO PIGNONE S.P.A., OF VIA F. MATTEUCCI 2, FLORENCE, ITALY.

Inventor : COSTANTINO VANCIGUERRA.

Application No. 673/Cal/79 filed July 2, 1979.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims.

A valve which comprises a two-part valve body having an inlet and an outlet; a substantially rotationally symmetrical flow control member located within the said valve body, the flow control member including a bore extending therethrough and being rotatable about an axis of rotation perpendicular to the direction of fluid flow through the valve when it is fully open; a sealing arrangement between said flow control member and each of said inlet and outlet; and two pairs of half-ring support members secured to the interior of the valve body and disposed on opposite sides of the flow control member so as to support the latter while permitting its rotation about the said axis of rotation wherein the half-ring support members have their concave faces oriented in such a way that, when the two parts of the valve body are secured together, the half-rings abut edgewise so as to provide two annular housings, each located in a plane perpendicular to the axis of rotation of the flow control member, for guiding and for bearing the thrust of the flow control member when the valve is in use; wherein those parts of the flow control member which cooperate with the annular housings comprise a pair of diametrically opposed cylindrical projections which are coaxial with the axis of rotation of the flow control member; and wherein there is an aperture in the valve body which permits access to one of the two cylindrical projections, whereby rotation of the flow control member can be effected.

Comp. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 32A₂ & 55E₄

151640

Int. Cl. : C07c 1/18, C09b 57/00, 61/00 and A61k 9/00.

A PROCESS FOR DYEING GELATINE FOR CAPSULES WITH A STABILIZED DYESTUFF OBTAINED FROM A NATURAL DYESTUFF WHICH IS SENSITIVE TO LIGHT AND/OR OXIDATION.

Applicants : PARKE, DAVIS & COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, U.S.A.

Inventor : DR ANDRE RENE VON WATTENWYL.

Application No. 752/Cal/79 filed July 23, 1979.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A process for dyeing gelatine for capsules with a stabilized dyestuff obtained from a natural dyestuff which is sensitive to light and/or oxidation such as herein described, wherein said natural dyestuff is dissolved in a solvent, such as herein described and the resulting solution is contacted with a finely divided absorbent such as herein described and optionally adding thereto an absorption promoter and/or antioxidant such as herein described to order to immobilize the dyestuff by absorption to stabilize it, separating in a manner such as herein described the stabilized dyestuff from the solvent, drying in a manner such as herein described the dyestuff, and adding in a manner such as herein described the stabilized dyestuff to gelatine for capsules.

Comp. Specn. 12 pages. Drg. Nil.

CLASS : 27G.

151641

Int. Cl. : E04c 3/00.

SYSTEM FOR ANCHORING STRUCTURAL MEMBERS.

Applicant & Inventor : JEAN-JACQUES BOLLMANN, OF FLUHGASSE 49, CH-8008 ZURICH, SWITZERLAND.

Application No. 820/Cal/79 filed August 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A system for the underground anchoring of structural members on sloping ground, characterised in that it comprises an upwardly extending section member for mounting in an underground anchoring member in unlevelled ground and bearing an adjusting mechanism in the form of an inclined bearing plate (4) and, on the latter, a flange (5) which is pivotable in the inclined plane (E-E) of the plate (4) and which is at an angle to a retaining member (6) which, together with the flange (5), forms a fixed unit and which receives a top member (7), releaseable fixing elements (9) being provided on the bearing plate (4) and on the flange (5) the whole arrangement being such that the top member (7) together with the retaining member (6) can be adjusted to, and locked in, any desired angle in relation to the ground (1) by rotation of the bearing plate (4) and the flange (5).

Comp. Specn. 8 pages. Drgs. 2 sheets.

CLASS : 145C&D.

151642

Int. Cl. : D21g 1/00.

APPARATUS AND METHOD FOR HANDLING A CONTINUOUSLY RUNNING CREPED TISSUE WEB.

Applicants : BELOIT CORPORATION, OF WISCONSIN, 53511, U.S.A.

Inventor : ROBERT E. PAGE.

Application No. 917/Cal/79 filed September 3, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Apparatus for handling a continuously running creped tissue web following creping at a creping roll, comprising:

a calender located proximate said creping roll to receive the web after a short draw span between the creping roll and the calender;

said calender including a rotary calender roll;

a rotary reel drum adapted for calendering nip cooperation with said calender roll;

and web winding means including a rotary reel core adapted to be rotatably driven by nipping with said reel drum for winding the web onto the reel core, characterized in having: flutter suppressing means along which the web is adapted to travel in the draw span between the creping roll and the calender substantially flutterfree at high speed.

Comp. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 131B & 138F.

151643

Int. Cl. : E21d 15/00 & 17/00.

MINE ROOF SUPPORTS.

Applicants : FLETCHER SUTCLIFFE WILD LIMITED OF UNIVERSAL WORKS, HORBURY, WAKEFIELD, WEST YORKSHIRE WF4 5HR, ENGLAND.

Inventor : JOHN CAMBRIDGE SMITH.

Application No. 1237/Cal/79 filed November 26, 1979.

Convention date November 28, 1978/(46370/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A mine roof support comprising a plurality of hydraulically extensible chock legs articulated at upper ends thereof to one or more roof beams and at lower ends thereof to one or more base members, a shield pivotally connected to a rearward part of the base member(s) and also pivotally connected to a rearward part of the roof beam(s), with permanently pressurised rams, both located between a pair of laterally spaced chock legs and one located to each side

of the centre line of the support, the rams being mutually inclined with respect to such centre line and reacting via the shield on the roof beam(s) in such a manner that the rams resist displacement of the roof beam(s) and, upon retraction of the chock legs from the mine roof, restore displaced chock legs to a predetermined position, and a pair of tie bars located one at or towards each side of the support and both connected between the roof beam(s) and the shield, the tie bars readily allowing mutual convergence of the roof beam(s) and shield, and also determining the length of effectiveness of the rams and hence the maximum separation between roof beam(s) and shield at each side of the support.

Comp. Specn. 14 pages. Drgs. 2 sheets.

CLASS : 69A.
Int. Cl. : H01h 75/00.

151644

STATIC INSTANTANEOUS OVERCURRENT RELAY WITH LOW TRANSIENT OVERREACH.

Applicants : GENERAL ELECTRIC COMPANY, OF 1-RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : THOMAS BERNARD BREEN.

Application No. 89/Cal/80 filed January 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A static instantaneous overcurrent relay with reduced transient overreach for use in protecting an a-c power line from overcurrents wherein the relay receives an input signal representative of the magnitude of the current in the a-c power line and develops a relay output signal when the magnitude of the current in the a-c power line reaches a predetermined magnitude, which comprises :

(a) level detector circuit means for receiving the input signal representative of the magnitude of current in the a-c power line, said input signal being in the form of a pulsating waveform having substantially the same frequency as the frequency of the a-c power line, said pulsating waveform comprising a plurality of discrete pulses, said level detector circuit means developing a discrete level detector output signal in response to each one of said discrete pulses of said pulsating waveform which attains a magnitude representative of the predetermined magnitude of the current in the a-c power line, and

(b) output circuit means coupled to receive said discrete level detector output signals, said output circuit including temporary inhibit means for temporarily inhibiting the development of said relay output signal until said output circuit has received at least two of said discrete level detector output signals, representative of the predetermined magnitude of the current in the a-c power line.

Comp. Specn. 23 pages. Drg. 1 sheet.

CLASS : 37A.
Int. Cl. : B04b 1/08.

151645

CONTINUOUS CENTRIFUGE.

Applicants : HEIN. LEHMANN A. C., OF FICHTENSTRASSE 75, D-4000 DUSSELDORF, WEST GERMANY.
Inventors : GUNTER TROJAN & SIEGFRIED BALFANZ.

Application No. 208/Cal/80 filed February 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A centrifuge capable of being continuously operated and being suitable for centrifuging sugar, the centrifuge comprising an upwardly, outwardly conical cage, said cage being rotatable about a vertical axis, the cage being located within a cylindrical housing provided with a cover, a base being

formed within the housing, a vertically extending jacket surrounding the cage being provided within the housing so as to define and separate two compartments in the housing, one compartment receiving, in use the solid products of centrifuging and the other compartment receiving the fluid products, the upper portion of the internal wall of the housing acting as a baffle wall and means for supplying liquid and/or steam or vapour to the interior of the housing wherein a first inwardly directed baffle ring defining the lower edge of the baffle wall is formed on the internal surface of the housing slightly below the level of the edge of the centrifuge cage, a ring conduit having apertures formed therein for directing liquid and/or steam or vapour against the first baffle being provided between the first baffle ring and the cover in the region of the cover, a cylindrical second baffle extending below the level of the rim of the centrifuge cage being mounted on the internal surface of the cover but being detachable therefrom to provide a different mode of operation of the centrifuge, a second ring conduit being provided internally of the second baffle, said second ring conduit having apertures formed therein for directing liquid and/or steam or vapour against the second baffle.

Comp. Specn. 14 pages. Drgs. 1 sheet.

CLASS : 31C.

151646

Int. Cl. : H01c 7/00.

VITREOUS ENAMEL ELECTRICAL RESISTOR AND METHOD OF MAKING THE SAME.

Applicants : TRW INC., OF 10880 WILSHIRE BOULEVARD, LOS ANGELES, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : ROBERT GENE HOWELL.

Application No. 247/Cal/80 filed March 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A vitreous enamel electrical resistor comprising a substrate, and a glass film on a surface of the substrate, the glass film having particles of metal oxide selected from the group consisting of an oxide of iridium, an oxide of ruthenium, and mixtures thereof, together with particles of the metal of the oxide particles, embedded within the dispersed throughout the glass film.

Comp. Specn. 15 pages. Drgs. 1 sheet.

CLASS : 88D.

151647

Int. Cl. : B01j 7/00.

IMPROVEMENTS IN OR RELATING TO AN APPARATUS FOR PRODUCING BIOGAS SUBSTANTIALLY COMPRISING ALKANES.

Applicant & Inventor : SUNIT KUMAR MUKHERJEE, OF 18A, NAFAR CHANDRA DAS ROAD, CALCUTTA-700034, INDIA.

Application No. 401/Cal/80 filed April 7, 1980.

Complete Specification left January 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An apparatus for producing biogas substantially comprising alkanes, e.g. methane, characterised in that a rectangular vessel provided with partition walls resulting in compartments spaced apart, the said vessel having two openings at the two end surfaces thereof, one for introducing influent and the other for letting out effluent.

Prov. Specn. 3 pages.

Comp. Specn. 5 pages. Drg. 1 sheet.

CLASS : 17A₅ & D. & 83A₁.

151648

Int. Cl. A23I 1/00, A23J 1/20.

A METHOD FOR PREPARING AN ACIDIC LIQUID BEVERAGE OR LIQUID CONCENTRATE THEREOF ADAPTED FOR STORAGE IN A CONTAINER.

Applicants : THE KROGER CO., OF 1014 VINE STREET, CINCINNATI, OHIO 45201 UNITED STATES OF AMERICA.

Inventor : LORNA CAROL STAPLES.

Application No. 436/Cal/80 filed April 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method for preparing an acidic liquid beverage or liquid concentrate thereof adapted for storage in a container, said method comprising :

- (a) forming a liquid mixture for a beverage containing a whey protein fortifier composition by mixing together :
 - (1) from 75% to 100% by weight of a whey protein concentrate derived by ultrafiltration of whey, said concentrate having from 40% to 60% protein and an ash content of at least 3%, and
 - (2) from 25% to 0% of different whey protein containing product such as herein described derived from whey in an aqueous solution; and
- (b) acidifying said liquid mixture to a pH within the range of from 3.0 to 4.0 with cold water soluble fumaric acid or optionally acidifying the liquid mixture to at least pH 4.5 with fumaric acid and further reducing the pH to a value of 3 to 4 with phosphoric acid;

wherein the whey protein concentration of the liquid acidic beverage is from 0.5% to 5% by weight.

Comp. Specn. 19 pages. Drgs. Nil.

CLASS : 32F₃(₁), 55E₄ & 60X₃(₁).

151649

Int. Cl. : C07c 51/00, 63/08, A61k 27/00.

METHOD FOR THE PREPARATION OF PURE ALKALI METAL BENZOATE AND BENZYL ALCOHOL.

Applicants : STAMICARBON B.V., OF P. O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors : CORNELIS JONGMSA, LEON HUBERTUS BARBARA FRIJNS & PAULA ARNOLDA MARIA RAVEN-DONNERS.

Application No. 619/Cal/80 filed May 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

Method for the preparation of pure alkali metal benzoate and benzyl alcohol, characterized in that crude benzyl benzoate is subjected to a reduction in the manner such as herein described at a temperature between 290 and 380 K and is subsequently saponified in the manner such as herein described to alkali metal benzoate and thereafter, if desired, saponifying in any known manner the alkali metal benzoate and the benzyl alcohol.

Comp. Specn. 12 pages. Drg. Nil.

CLASS : 32 F₁, 32F₃(₁) & 60X₃(₁).

151650

Int. Cl. C07c 103/40 & C07d 27/04.

METHOD OF PREPARING NOVEL SUBSTITUTED HETEROCYCLIC BENZAMIDES.

Applicants : SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE, OF 46, BOULEVARD DE LATOUR-MAUBOURG, 75 PARIS 7^e, FRANCE.

Inventors : MICHEL THOMINET, JACQUES ACHER AND JEAN-CLAUDE MONIER.

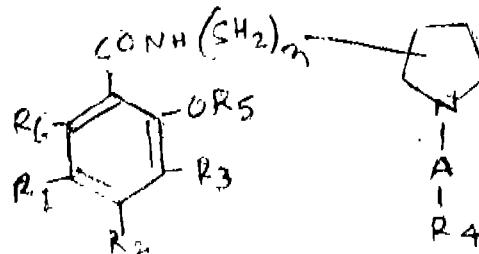
Application No. 453/Cal/82 filed April 22, 1982.

Division of Application No. 46/Cal/79 filed January 17, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

56 Claims

A method of preparing novel substituted heterocyclic benzamides, their salts of addition with pharmacologically acceptable acids, their quaternary ammonium salts, their oxides and their levorotatory and dextrorotatory isomers, of the general formula (I)



wherein :

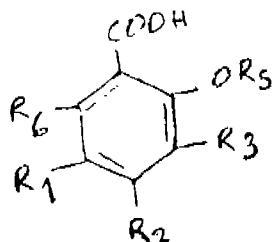
- R₄ is a cycloalkyl, cycloalkenyl, bicycloalkyl or tricycloalkyl group
- A is a single bond or a saturated or unsaturated hydrocarbon chain with 1 to 3 carbon atoms.
- n is equal to 0, 1, 2 or 3.
- R₅ is a hydrogen atom, an alkyl group with 1 to 3 carbon atoms, or an alkenyl or alkynyl group
- R₁, R₂, R₃, R₅ are hydrogen or halogen atoms, alkyl, alkoxy, amino, acetamino, sulphamoyl, alkylsulphamoyl, dialkylsulphamoyl, alkylsulphonyl or alkylsulphiny group or bonded together to form an azimido group,

with the following provisos :

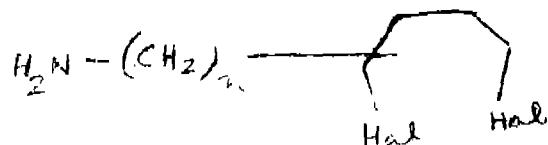
- when R₄ is a cycloalkyl group, R₅ a hydrogen atom or an alkyl group, A a single bond and n equal to 0, at least one of the substituents R₁, R₂, R₃, R₅ is an alkylsulphonyl or alkylsulphiny group, or two of these substituents are bonded together to form an azimido group.
- when R₄ is a cycloalkyl group, R₅ a methyl group, A an alkylene group with 1 to 3 carbon atoms, n= to 1 and the amide chain bonded at the 2 position of the pyrrolidine,

R₁ can be halogen atom or a sulphamoyl, alkylsulphamoyl, dialkylsulphamoyl or alkylsulphonyl group only in cases where R₁, R₃, R₅ are not simultaneously hydrogen atoms, comprising reacting a reactive derive-

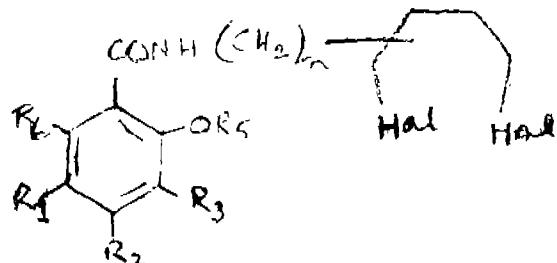
five such as herein described of an acid of the formula (II) shown in the drawings with a primary amine



of formula (III)

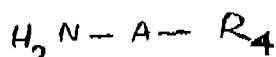


wherein n is 0, 1, 2 or 3 and Hal represents a chlorine, bromine or iodine atom, to obtain a compound of formula (IV)



(IV)

wherein R_1 , R_2 , R_3 , R_5 , R_6 , Hal, n have the above meaning, the compound then reacting with an amine of formula (V)



wherein R_4 and A are as defined above to form the desired compounds of formula I and thereafter preparing their salts of addition with pharmacologically acceptable acids, their quaternary ammonium salts, their oxides and their levorotatory and dextrorotatory isomers in a known manner such as herein described.

Comp. Specn. 21 Pages.

Drg. 1 sheet.

151651

CLASS : 156-A.
Int. Cl. : F04b 33/00.

"IMPROVED PUMP FOR THE LIFTING OF WATER FROM ONE LEVEL TO A HIGHER LEVEL."

Applicants : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor : RAM KRIPAL VARMA, GOPAL KISHORE VERMA and KURLAGUNDA NAGARAJA RAO.

Application for Patent No. 133/Del/79 filed on 22nd February, 1979.

Complete Specification left on 12th December, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) The Patent Office, Delhi Branch.

2-117 GI/83

(13 Claims)

An improved pump for the lifting of water from one level to a higher level which comprises a central chamber one pair of opposite sidewalls of which are composed of flexible diaphragms, said chamber being adapted to be divided by means of a vertical partition member into two separate compartments each containing one of said diaphragms, water inlet means at or near the lower end of said central chamber, unidirectional valve means provided with said water inlet means and adapted to communicate with at least one of said compartments, water outlet means provided at or near the upper end of said central chamber, unidirectional valve means provided with said water outlet means and adapted to permit communication from at least one of said compartments with said water outlet means, unidirectional valve means located within said partition member to permit communication from said first compartment to said second compartment, means connected externally to the said diaphragms for simultaneously depressing one diaphragm and distending the other so as to compress the volume of one compartment and increase that of the other, said diaphragm connecting means being connected to actuation platforms adapted to operate the pump.

(Provisional Specification 6 Pages.

Drawings 1 sheet)

(Complete Specification 10 Pages.

Drawings 1 sheet)

CLASS : 69-I, 102-D & 195-B.

151652

Int. Cl. : F, 16k 11/00.

"A RAILWAY POINTS OPERATING DEVICE."

Applicant & Inventor : JAGDISH VASWANI, an Indian national of 43A, Railway Colony, Sadar Patel Marg, New Delhi, India.

Application for Patent No. 209/Del/79 filed on 30th March, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

(4 Claims)

A railway points operating device which is operable by fluid under pressure comprising a lock bar cylinder having a lock bar capable of having directional movement, a throw bar cylinder having a throw bar also capable of having directional movement, characterised in that direction control valves are provided connected to the said lock bar and the throw bar cylinders for controlling the said directional movements of said throw and lock bars, an accumulator provided connected with the said valves for receiving a fluid under pressure, a fluid reservoir provided for storing and supplying said fluid to the said accumulator and receiving back said fluid from the said valves.

(Complete Specification 8 Pages.

Drawings 2 Sheets)

CLASS : 146C.

151653

Int. Cl. : G01j 1/46.

"A PHOTOMETRIC ANALYSIS DEVICE."

Applicants : HARTMANN AND BRAUN AKTIENGESELLSCHAFT, of Grafstrasse 97, 6000 Frankfurt/Main, Federal Republic of Germany, a German body corporate.

Inventors : JOACHIM STAAB, WILLY APEL AND HEIN WOLF.

Application No. 231/Del/79 filed on 07th April, 1979.

Convention date 03rd November, 1978 (43172/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(5 Claims)

A photometric analysis device having a radiator unit and a radiation receiver unit between which is positioned one or more radiation modulating sample or reference blocks adapted to be interchangeable with other similarly constructed

blocks, wherin the two units are held in aligned spaced relation by two parallel rods extending through parallel bores in both of the units, the or each block is detachable and has notches for engaging both rods thereby to positively locate the block in aligned relation between the two units, and locking means are provided for retaining the two units and at least one block in abutting relationship.

(Complete Specification 9 Pages.

Drawing 1 Sheet)

CLASS : 32C, 55E.

151654

Int. Cl. : C12d 13/00.

"IMPROVED PROCESS FOR THE PRODUCTION OF PURE NEURAMINIDASE."

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration Societies Act (Act XXI of 1860).

Inventors : DEVARAJAN THAMBIDORAI, PRANAB KUMAR CHANDA, MOTILAL MAITI and BIMAL KUMAR BACHHAWAT.

Application for Patent No. 317/Del/79 filed on 9th May, 1979.

Complete Specification left on 18th February, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

(2 Claims)

An improved process for the production of pure neuraminidase comprising cultivation of the microorganism known as *Vibrio cholerae* in a nutrient media, separation, of the enzyme formed and the purification of the same by affinity chromatography, characterized in that the cultivation is carried out in the presence of the inducer submaxillary mucin and the purification by affinity chromatography is carried out using a non-charged matrix of mucin and cellulose.

(Provisional Specification 13 Pages.

(Complete Specification 4 Pages.

Drawing 1 Sheet)

CLASS : 84A.

151655

Int. Cl. : C10j 3/00.

"PRODUCTION OF GAS MIXTURES CONTAINING HYDROGEN AND CARBON MONOXIDE VIA THE ENDOOTHERMIC PARTIAL OXIDATION OF ORGANIC COMPOUNDS AND APPARATUS THEREFOR."

Applicants : RUHRCHEMIE AKTIENGESELLSCHAFT, of Bruchstrasse 219, Oberhausen 13, Federal Republic of Germany, a company incorporated under the laws of the Federal Republic of Germany.

Inventors : FRIEDRICH SCHNUR, BOY CORNILS and JOSF HIBBEL.

Application for Patent No. 332/Del/79 filed on 15 May, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

(9 Claims)

A process for producing a gas mixture containing hydrogen and carbon monoxide, comprising : endothermic partial oxidation of one or more organic compounds such as herein defined with steam and/or carbon dioxide at a temperature of 900 to 1600°C and a pressure of up to 200 bar; and gasifying one or more carbonaceous ash forming fuels such as herein defined with oxygen in the presence of steam whereby a gaseous product and liquid ash is produced and to provide thermal energy for said endothermic partial oxida-

dation; said carbon monoxide and hydrogen being produced at a temperature above the melting point of said ash, said gasification being carried out in a gasification zone, the endothermic partial oxidation being carried out in a mixing and separating zone, the products of gasification being fed from the gasification zone into the mixing and separating zone.

(Complete Specification 13 Pages.

Drawings 1 Sheet)

CLASS : 32F(,).

151656

Int. Cl. : C07c 39/00.

"AN IMPROVED PROCESS FOR THE PREPARATION OF ANISOLE, O-CRESOL AND 2, 6-XYLENOL".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT III OF 1860).

Inventors : MOHAMMED EHSAN, GURAJADA SARABHA SLAVAPATI, MULPURI JANARDANARAO AND RAJAGOPALAN VAIDYESWARAN.

Application No. 340/Del/79 filed on 17th May, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(5 Claims)

An improved process for the preparation of anisole, O-cresol and 2, 6-xylanol comprising reacting phenol and methanol in the presence of metal oxide catalyst like alumina, magnesia or calcium oxide wherein the improvement comprises in that phenol and methanol are used in ratios of 1 : 1 to 1 : 8 at a temperature range of 200° to 300°C with alumina, which is capable of being regenerated by heating upto 550°C as catalyst, at a pressure in the range of 50-100 bars in the presence of an inert gas.

(Complete specification 8 pages).

CLASS : 32F 2C.

151657

Int. Cl. : C07C 111/00.

"IMPROVED PROCESS FOR THE PRODUCTION OF DINITROSOPENTAMETHYL ENETERAMINE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI of 1860).

Inventors : VISHWA NATH GUPTA, JOGENDRA NATH BARUAH, KOTAWIL WALLAPIL GOPI-NATH, & MADHUR SRINIVAS IYENGAR.

Application No. 341/Del/79 filed on 17th May, 1979.

Complete specification left on 5th August, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(5 Claims)

An improved process for the manufacture of dinitrosopentamethylenetetramine comprising reacting liquor ammonia with formaldehyde and nitrous acid characterised in that the reaction is carried out by addition of aqueous formaldehyde solution to an aqueous solution of sodium nitrite, ammonium sulphate and liquor ammonia.

(Provisional specification 4 pages.)

(Complete specification 5 pages).

CLASS : 126-B. & 131.C.

151658

Int. Cl. : G01V/22.

"A DEVICE FOR DELINEATION OF SUBSURFACE STRUCTURES BASED ON SEISMIC TECHNIQUE".

Applicant : Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : Krishan Lal Kaila & Velamakanni Gopala Krishna.

Application for patent No. 342/Del/79 filed on 17th May, 1979.

Complete Specification left on 10th July, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(3) Claims

An improved device for delineation of the depth and/or profile of subsurface structures by seismic technique comprises :

- (i) means for digital seismic recording of reflected vibrations in the form of electrical oscillations received from a plurality of two shot points on the earth's surface to obtain data of the reversed reflection travel time of the said oscillations from the subsurface structure as a function of the angle of dip (θ) and its effective velocity V_{eff} ,
- (ii) means connected to said recording means to select the recorded reflection data in respect of the angle of dip to obtain identical value of the effective velocity V_{eff} as per equations,

$$T_{D'}^2 = \frac{X_D^2 D + 4 X_D d_1 \sin \theta + 4 d_1^2}{V_{eff}^2}$$

$$\text{and } T_R^2 = \frac{X_R^2 R + 4 X_R d_2 \sin \theta + 4 d_2^2}{V_{eff}^2}$$

Wherein X_D , T_D and (X_R, T_R) are the direct and reversed reflection travel time data, d_1 and d_2 are perpendicular distances from the shot points to the subsurface structure,

- (iii) display means connected to said selection means for visual display of said selected recorded reflection data,
- (iv) means connected to said selector means to process the data thus selected both in respect of the functions of the angle of dip and the effective velocity of the said oscillations from the subsurface structures to match with the similar data of known subsurface structures and
- (v) means to identify and delineate the depth/profile of the subsurface structure under investigations, said identification and delineation means being connected to said data processing means.

(Provisional Specification 7 pages.

Drawing 2 Sheets)

(Complete specification 16 pages

Drawing 1 sheet)

CLASS : 85.C & 195.D.

151659

Int. Cl. : F16k-3/00.

"VALVE DEVICE FOR THE SUPPLY OF CHARGE MATERIAL TO A COVERED ELECTRIC SMELTING FURNACE".

Applicant : ELKEM-SPIGERVERKET A/S, a Company incorporated under the laws of Norway, of Elkemhuset, Middel thunsgate 27, Oslo 3, Norway.

Inventor : Harald Krogsvrud.

Application for patent No. 343/Del/79 filed on 17th May, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(4) Claims

A valve device for use with a covered electric smelting furnace provided with a charging chute, for the supply of furnace charge from the charging chute in a gastight manner into the furnace through an opening in the roof of the furnace, which valve device comprises a rotatable hollow cylindrical drum arranged within a valve housing the lower part of which housing comprises a horizontally-extending half-cylinder, the drum resting with its own weight against the surface of the half cylinder and the inner diameter of the half-cylinder corresponding to the outer diameter of the drum, and the drum being formed with an opening in its cylindrical wall which opening, as the drum is rotated in use, is brought into register firstly with a cooperating opening in the charging chute to allow charge from the chute to enter the drum, and secondly with the said opening in the furnace roof to allow the charge in the drum to enter the furnace, the openings in the chute and in the furnace roof being respectively closed by the wall of the drum when in use the opening in the drum is out of register therewith.

(Complete specification 7 pages.

Drawing 2 sheets).

CLASS : 32F₂(d), 40F.

151660

Int. Cl. : C07c-143/00.

"PROCESS FOR THE RECOVERY OF D(+) CAMPHORSULPHONIC ACID DURING THE RESOLUTION OF DL-PHENYLGLYCINE."

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor : RAJAT BARAN MITRA, BALWANT NARAYAN JOSHI, VASANT KASHINATH HINGE & MANDAKINI VISHVANATH NATEKAR.

Application for Patent No. 347/Del 79 filed on 18-5-79.

Complete specification left on 12th December, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(3) Claims

A process for the recovery of D(+) camphorsulphonic acid comprising eluting with water, ammonium camphorsulphonate, obtained during the resolution of DL-phenylglycine, by passage through a column of a cation exchange resin; to obtain the eluent containing D(+) camphorsulphonic acid in two strongly acidic and weakly acidic portions and recovering the acid therefrom.

(Provisional specification 5 pages)

(Complete specification 6 pages).

CLASS : 144E₂

151661

Int. Cl. : C09d. 5/00.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Applicants :—123456 12345 12345 12345 12345 12345. Inventors : KUMMATTITHIDAL SANTHANAM RAJAGOPALAN, SUBBIAN NADAR GURUVIAH AND MEYAPPAN SUNDARAM.

Application for Patent No. 348/Del/79 filed on 18th May, 1979.

Complete specification left on 19th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

(4) Claims

Process for the preparation of an anti-corrosion primer comprising reacting zinc dust in ethyl silicate binder with titanium dioxide, antimony trioxide, dibutyl phthalate and an organic solvents such as xylene and stirring the reaction product to obtain a brushable consistency.

(Provisional specification 4 pages).

(Complete specification 5 pages).

CLASS : 40F.

151662

Int. Cl. : B01J 7/00.

"A GLASS DESORBER FOR GEOCHEMICAL PROSPECTING AND PETROLEUM SOURCE ROCK ANALYSIS".

Applicants : OIL & NATURAL GAS COMMISSION, Institute of Petroleum Exploration, Chemistry Group, KAULAGARH ROAD, Dehradun, (U.P.), India, an Indian company.

Inventors : Manju Mathur, Mahesh Chand Gupta, Kuldeep Chandra & Sailendra Nath Bhattacharya.

Application No. 178/Del/80 filed on 12th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

(11) Claims

A desorber for geochemical prospecting and petroleum source rock analysis comprises of a standard female fl-12 decomposition round bottom flask and a bulb having two arms, one of said arm being a vertical gas measuring arm and the other a horizontal arm, said horizontal arm being connected to said decomposition round bottom flask by means of spring joints and is also fitted with a pear shaped funnel through a vacuum stop, cock, the top end of said pear shaped funnel being connected to a vacuum pump.

(Complete specification 8 pages

Drawing 1 sheet)

OPPOSITION PROCEEDINGS

(1)

The opposition entered by the Jay Engineering Works Limited to the grant of a patent on application No. 135307 made by Crompton Greaves Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 12th April, 1975 has been allowed and the grant of a patent on application refused.

(2)

The opposition entered by the Jay Engineering Works Limited to the grant of a patent on application No. 135308 made by Crompton Greaves Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 12th April, 1975 has been allowed and the grant of a patent on application refused.

(3)

The opposition entered by the Jay Engineering Works Limited to the grant of a patent on application No. 135309 made by Crompton Greaves Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 12th April, 1975 has been allowed and the grant of a patent on application refused.

(4)

The opposition entered by the Jay Engineering Works Limited to the grant of a patent on application No. 135310 made by Crompton Greaves Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 12th April, 1975 has been allowed and the grant of a patent on application refused.

(5)

The opposition entered by the IDL Chemicals Limited to the grant of a patent on application No. 150613 made by Indian Explosives Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 21st May, 1983 has been dismissed due to non-filing of the written statement and a patent ordered to be sealed.

PATENTS SEALED

149535 149847 150007 150030 150136 150137 150138 150139
150141 150206 150376 150506 150521 150527 150528 150531
150532 150534 150537

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that International Minerals & Chemical Corporation, a corporation organised under the laws of the State of New York, of 2315 Sanders Road, Northbrook Illinois, U.S.A. have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 151030 for "Method of Beneficiating Phosphate Ores". The amendments are by way to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

113857 113945 114033 114232 114246 116111 116309 116516
117474 119255 121489 121600 121609 121636 122626 124354
126571 126718 126808 126890 126891 126902 126995 127004
127074 127736 129108 129741 129796 129855 129858 130026
131565 131682 131749 131885 131920 131939 131944 132008
133158 133941 133960 134445 135974 136062 136567 136668
137494 137786 137809 137932 138289 138492 138528 138543
138974 139093 139335 139374 139400 139401 139453 139490
139720 139741 139822 139873 140090 140284 140345 140413
140512 140662 140708 140912 141180 141428 141476 142096
142159 142186 142348 142362 142473 142499 142510 142718
142859 143140 143273 143322 143365 143411 143450 143551
143612 143730 144233 144349 144577 144729 144792 144800
144824 144825 144875 144892 144989 145346 145491 145634
145646 145749 145761 145771 145907 145990 146194 146248
146256 146260 146292 146320 146430 146459 146478 146524
146578 146601 146699 146711 146712 146713 146717 146761
146819 146829 146866 146920 146941 146951 147001 147031

147032 147092 147164 147212 147238 147307 147379 147449
 147466 147489 147499 147510 147562 147603 147608 147645
 147657 147682 147683 147694 147695 147735 147778 147817
 147825 147877 147882 147937 147941 147994 148072 148180
 148233 148258 148303 148317 148379 148421 148443 148444
 148454 148581 148628 148632 148639 148677 148679 148707
 148763 148826 149063 149079 149113 149162 149195 149230
 149242 149259 149310 149370 149375 149381 149398 149476
 149482 149548 149556 149571 149583 149611 149624 149631
 149637 149687 149691 149693 149704 149716 149717 149755
 149769 149772 149793 149798 150016 150012 150014 150041
 150059 150078 150101 150109 150110

REVOCATION OF PATENTS

Patent No. 136049 has been revoked by the order dated the 15th October, 1982 of Hon'ble Mr. Justice Parekh of Bombay High Court in misc. Petition No. 576 of 1981.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152712, Vinsan Private Limited, an Indian Private Limited Company of 28, Sham Nath Marg, Delhi-110055. "Peeler". 25th January, 1983.

Class. 1. No. 152668, Bhandari Balweerchand Pratapchand Memorial Research Foundation (Registered under Societies Registration Act, 1860) of Blitz Building, 1st floor, 17, Cawasji Patel Street, Fort, Bombay-400001, Maharashtra, India. "Fractor-cum-Transporter". 13th January, 1983.

Class. 1. No. 152688, Arun Kumar Trading as Arun Associates, B-3/13, Model Town, Delhi-110009 an Indian National. "Petrol Filter". 18th January, 1983.

Class. 1. No. 152763, Shree Agencies, 4E/13, Jhandewalan Extension, New Delhi-110055. (India) An Indian Partnership Firm. "Car Wheel Cover". 11 February, 1983.

Class. 1. No. 152876, Speed & Power Instruments, 5644, Qutab Road, New Delhi-110055 an Indian Partnership Concern. "Baby Dinning Chair." 9th March, 1983.

Class. 1. No. 152878, Speed & Power Instruments, 5644, Qutab Road, New Delhi-110055 an Indian Partnership Concern. "Baby Dinning Chair." 10th March, 1983.

Class. 1. No. 152761, Shree Agencies, 4E/13, Jhandewalan Extension, New Delhi-110055 (India) An Indian Partnership Firm. "Dash Board". 11th February, 1983.

Class. 1. No. 152875, Speed & Power Instruments, 5644, Qutab Road, New Delhi-110055 an Indian Partnership Concern. "Baby Dinning Chair." 10th March, 1983.

Class. 1. No. 152781, Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Flashlight". 19th February, 1983.

Class. 1. No. 152469, Tobi Enterprises Private Limited 8/29, Kirti Nagar Industrial Area, New Delhi-110015, India. An Indian Company. "Tricycle". 12th November, 1982.

Class. 1. No. 152333, Kirloskar Brothers Limited, an Indian Company duly registered and incorporated under Companies Act, 1956 and having its Regd. Office At : Udyog Bhavan, Tilak Road, Pune-411 002, Maharashtra, India. "Foot Valve". 1st October, 1982.

Class. 1. No. 152466, A. V. Sankaran, Trading as Maruti Metal Works, a Proprietor firm, 11, Kannan Bagh Street, Triplicane, Madras-600 005, Tamil Nadu, of S. India, of Indian Nationality. "Silencer for Auto-vehicles". 11th November, 1982.

Class. 3. No. 152565, New National Radios, A-14/3, Naraina Industrial Area, Phase-I, New Delhi-110064, India, an Indian Partnership Firm. "Wall Clock". 10th December, 1982.

Class. 3. No. 152678, Cherry Cosmetics Private Limited, an Indian Company incorporated under the Companies Act 1956, of 404 Green House, Green Street, Bombay-400 023, Maharashtra, India. "Plastic Container". 15th January, 1983.

Class. 3. No. 152656, Peter Autokits Private Limited, an Indian Company incorporated under the Companies Act 1956, of Mahuradas VasANJI Road, Makwana Lane, Marol Naka, Andheri (East), Bombay-400 059, Maharashtra, India. "Cloth Hanger-cum-Holder". 10th January, 1983.

Class. 3. No. 152711, Vinsan Private Limited, an Indian Private Limited Company of 28, Sham Nath Marg, Delhi-110055. "Peeler." 25th January, 1983.

Class. 3. No. 152784, Union Carbide dia Limi'ded, an Indian Company of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Flashlight". 19th February, 1983.

Class. 3. No. 152800, Shree Cosmetics of 101, Sanjay Building, No. 3 Mittal Industrial Estate, Andheri Kurla Road, Bombay-400 059, Maharashtra, India an Indian Partnership Concern. "Container". 23rd February, 1983.

Class. 3. No. 152449, Meena Match Industries, Boopathy Building, Virushunagar Road, Sivakasi-62612, Tamil Nadu, India. An Indian Partnership Firm. "Match Box". 9th November, 1982.

Class. 3. No. 152562, Mrs. Rekha M. Thadani and Mrs. Thakuri B. Thadani, both Indian Nationals, carrying on business in partnership under the firm name of Caspack Incorporated, registered office at 204, New Satguru Nanak Industrial Estate, 498, Western Express Highway, Goregaon (East), Bombay-400063, State of Maharashtra, India. "a Cabinet for storing cassettes". 9th December, 1982.

Class. 3. No. 152464, Geep Industrial Syndicate Limited (formerly known as Geen Flashlight Industries Limited), Manufacturers, of 28 South Road, Allahabad Uttar Pradesh India, an Indian Company. "Torch". 10th November, 1982.

Class. 3. No. 152835, Rama Industries, a Partnership firm of 9/1, Debendra Mullick Street, Calcutta-73, within the State of West Bengal. "Plastic Container". 7th March, 1983.

Class. 3. No. 152563. Mrs. Rekha M. Thodavi and Mrs. Thakuri B. Thadani, both Indian Nationals, carrying on business in partnership under the firm name of Caspack Incorporated registered office at 204, New Satguru Nanik Industrial Estate, 498, Western Express Highway, Goregaon (East),

Bombay-400063, State of Maharashtra, India. A cabinet for storing cassettes". 9th December, 1982.

DR. K. V. SWAMINATHAN
Controller General of Patents,
Designs and Trade Marks.